

## CLAIMS

What is claimed is:

1. A monitor calibrator for mounting to a surface in order to reduce the effects of gravity on said calibrator comprising:

10 a case having a shape; and

31 a plurality of case supporting elements extending from said case uniformly distributed around a perimeter of said case.

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2. The calibrator according to claim 1 wherein said case supporting elements are a  
10 separate support structure from said case.

3. The calibrator according to claim 1 wherein said case supporting elements are integral with said case.

15 4. The calibrator according to claim 1 comprising at least three case supporting elements.

5. The calibrator according to claim 1 wherein said case supporting elements comprise a cross section formed as a plastic injected "C" channel.

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6. The calibrator according to claim 1 wherein said case supporting elements comprise a foot at an end of each supporting element.

7. The calibrator according to claim 6 wherein said foot comprises an aperture.

8. The calibrator according to claim 1 wherein said case supporting elements are equidistant from each element.

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9. The calibrator according to claim 1 wherein an end of each case supporting element is attached to a supporting means.

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10. The calibrator according to claim 9 wherein said supporting means is a suction cup.

11. The calibrator according to claim 1 wherein said case supporting elements join together at a cavity.

12. The calibrator according to claim 1 comprising a cap mounted to the top of said calibrator.

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13. The calibrator according to claim 1 comprising a diffuser mounted to the bottom of said calibrator.

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14. The calibrator according to claim 1 comprising a light shield mounted to the bottom of said calibrator.

15. The calibrator according to claim 1 wherein said case is one hollow piece.

16. The calibrator according to claim 1 wherein said case comprises two separate pieces, wherein said two pieces are a top half and a bottom half.

17. The calibrator according to claim 16 wherein said top half comprises a fastening means and said bottom half comprises a fastening means.

18. The calibrator according to claim 17 wherein said fastening means are male and female components.

10 19. The calibrator according to claim 17 wherein said fastening means are a ridge and a groove.

20. The calibrator according to claim 17 wherein said fastening means mate to join said top half and said bottom half.

15 21. The calibrator according to claim 1 wherein the top of said case comprises a fastening means.

22. The calibrator according to claim 21 wherein the bottom of said case supporting elements comprises said fastening means.

20 23. The calibrator according to claim 22 wherein said case supporting elements are mounted on the top of said case by mating said fastening means.

24. The calibrator according to claim 23 wherein said fastening means are male and female components.

5 25. The calibrator according to claim 1 wherein said case houses electronic and optic components.

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